

# Technical Bulletin

This document provides best-practice recommendations for using your X-System. If you have any questions after reviewing this document, please call Customer Support at 1.800.749.2761 or consult the additional product documentation available at <http://www.coachcomm.com/x-system-support>.

## CoachComm Radio Transceiver Antenna Angle

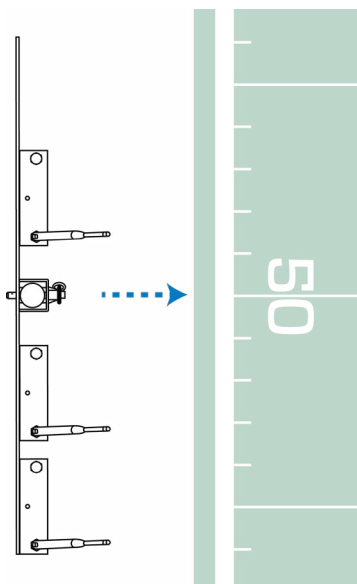
In an effort to maximize RF performance of the CoachComm X-System, we have made a change to our recommendation on antenna orientation. Albeit a relatively small change, we feel that this change will help in those environments that may prove to be a little more challenging. In short, this change is simply going from a 90-degree angle to a 45-degree angle for all Radio Transceiver (RT) antennas on the field. Where applicable, this also includes any high density RTs used for coach-to-player communications. Note that this change has no effect on 2.4 GHz antennas used with the wireless press box for coaches upstairs, this is ONLY for field RTs.

CoachComm also recommends that all RTs be mounted on the same side of the mast. This orientation maximizes spacing between the antennas and minimizes interaction between the antennas.

See figures for examples of recommended RT setup.



*Recommended Setup  
RTs and Antennas on Mast*



*Recommended Setup  
Recommended Setup RTs (CoachComm  
Logo) Pointed Towards Opposing Team  
and Antennas at a 45-degree Angle*



*Recommended Setup  
RTs on Mast w/ High Density RT*

CoachComm, LLC  
205 Technology Parkway  
Auburn, Alabama 36830 USA  
[www.coachcomm.com](http://www.coachcomm.com)  
Toll-Free 1.800.749.2761  
Fax 1.888.329.2658

Copyright © 2024 CoachComm LLC. All rights reserved. CoachComm X-System® and CoachComm X-System Player™ are trademarks of CoachComm, LLC. Any and all other trademark references within this document are property of their respective owners.  
Document Reference: D0000795\_A